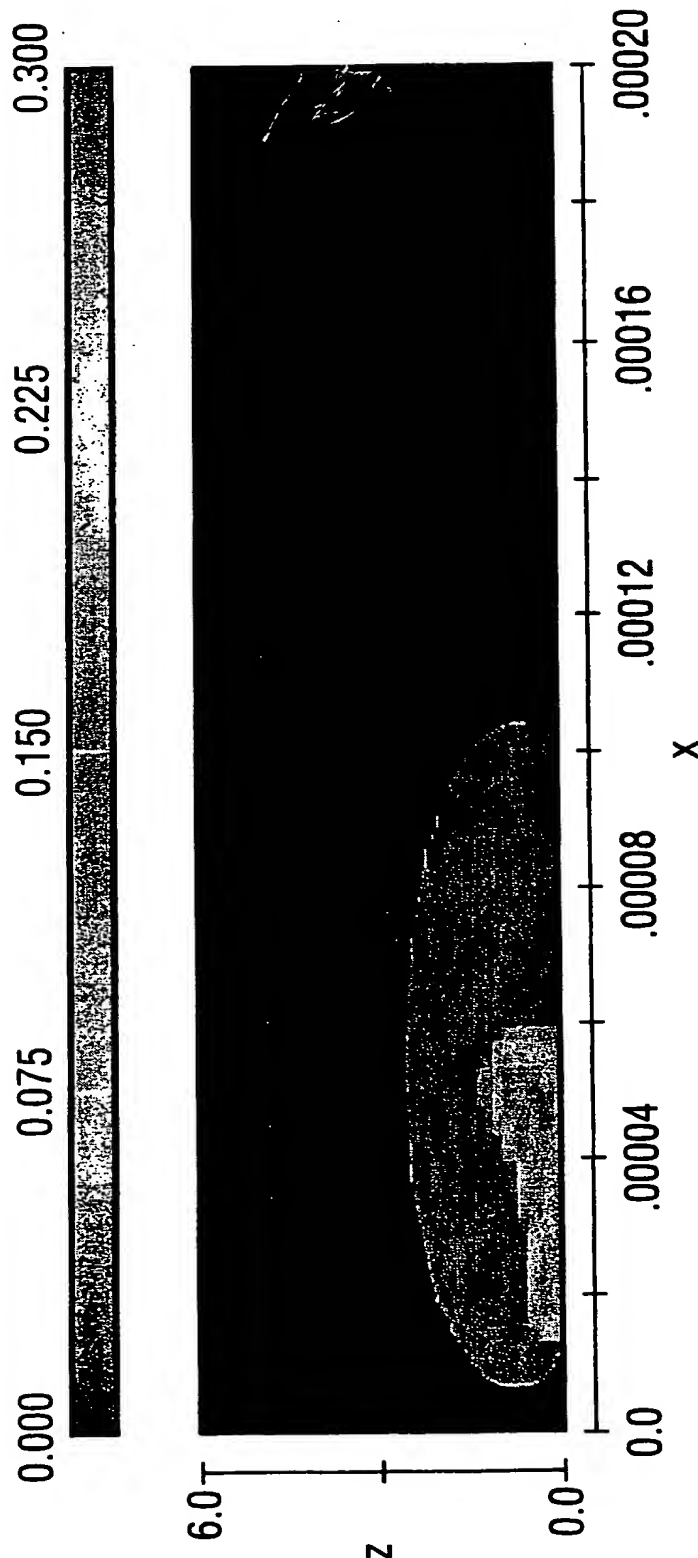


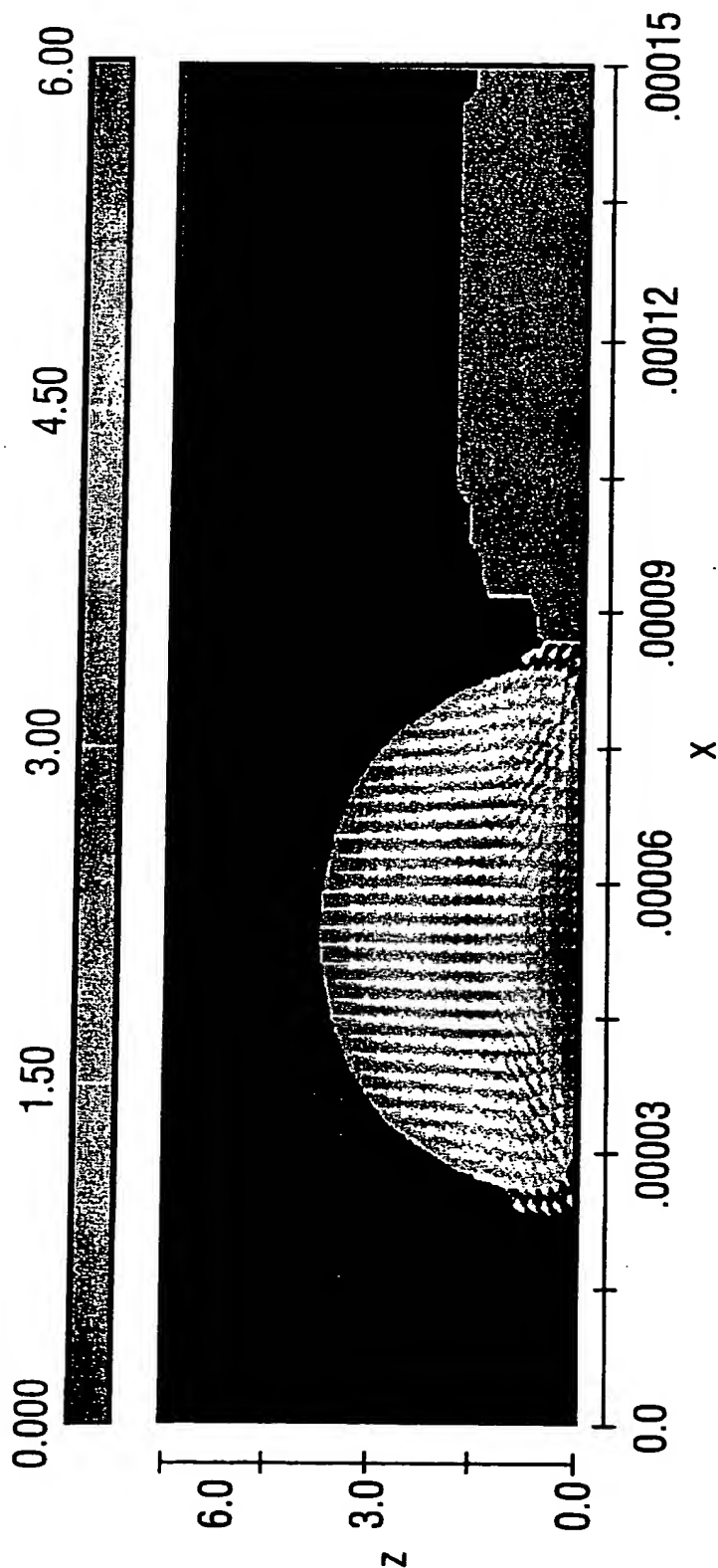
(z multiplied by 1.e+0.5)



Flow-3D t=9.9988E-06 y=5.000E-01 (ix=2 to 101 kz=2 to 31)
17:56:04 2-9-1999eifd hydr3D: version 7.1.5 win 32 1998
51.1 dia : 000 to 250 microseconds

Velocity 250 to 263 microseconds (vmax=5.50E+00)

(z multiplied by 1.e+0.5)



Flow-3D t=3.0000E-06 y=1.000E-06 (ix=2 to 76 kz=2 to 31)
17:30:04 2-17-1999eifd hydr3D: version 7.1.5 win 32 1998
51.1 dia : Fluid droplet impact with solidified droplet 3D

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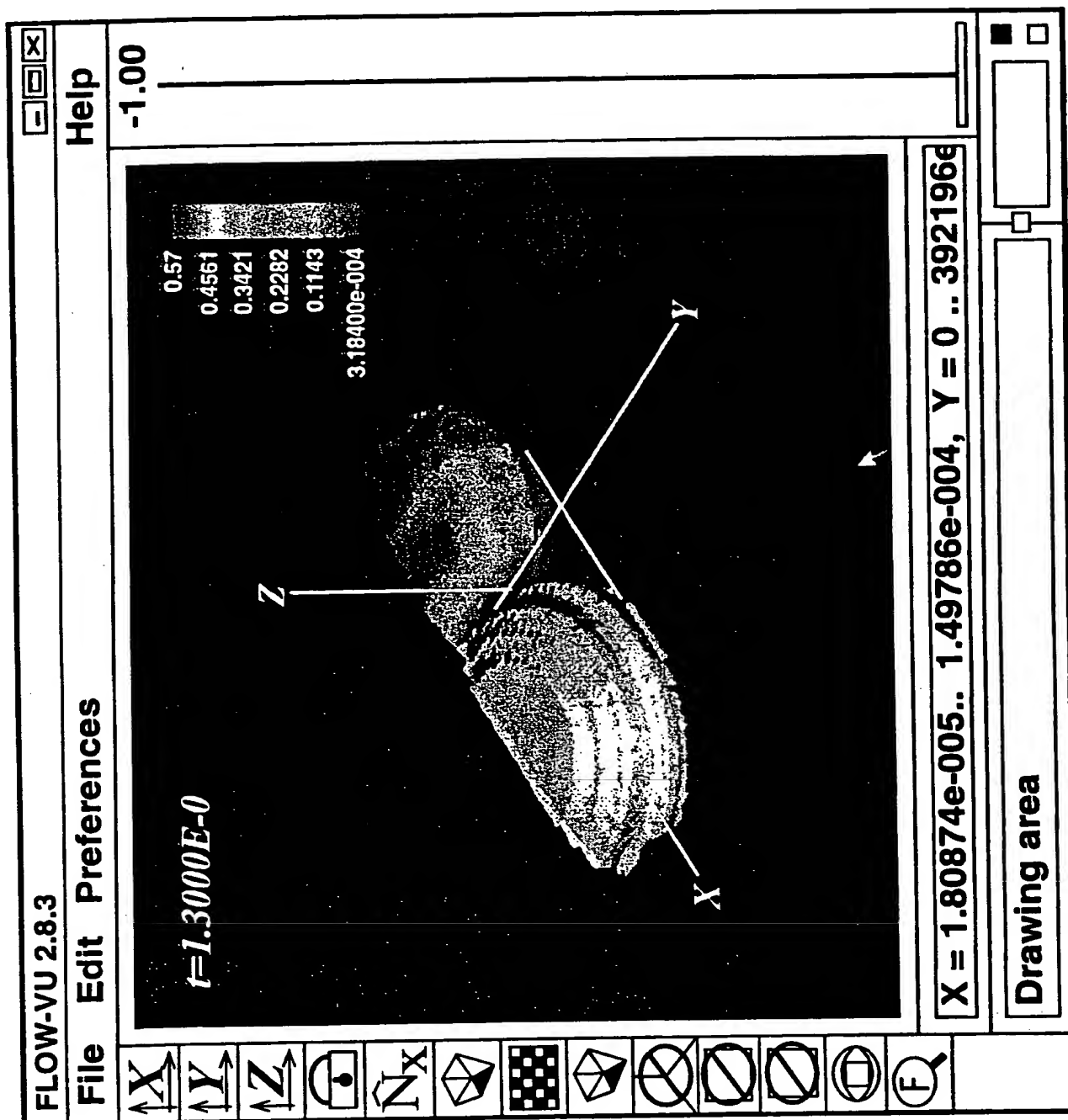
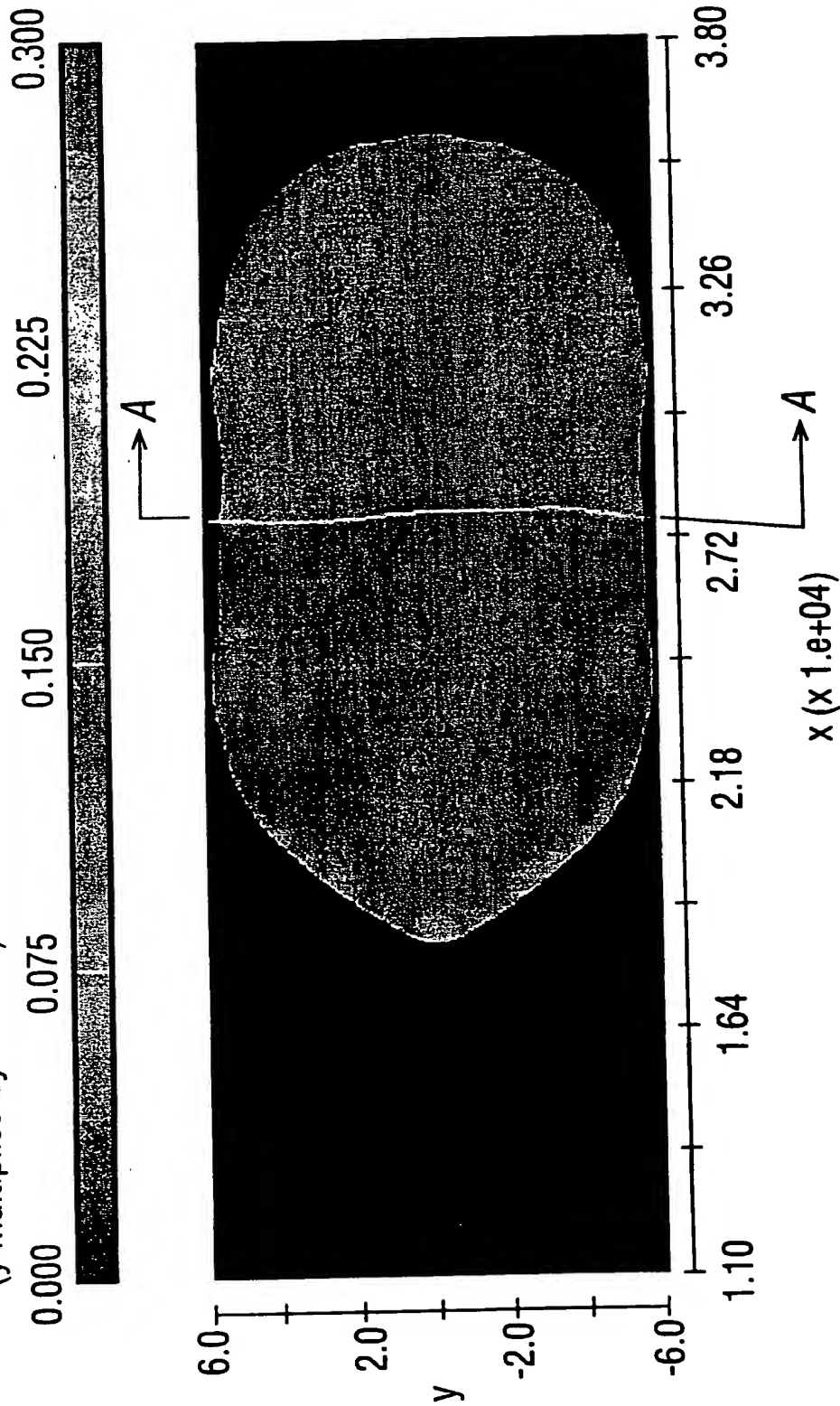


FIG. 2b

Section A-A

Plan of droplet substrate boundary at t=930 microseconds

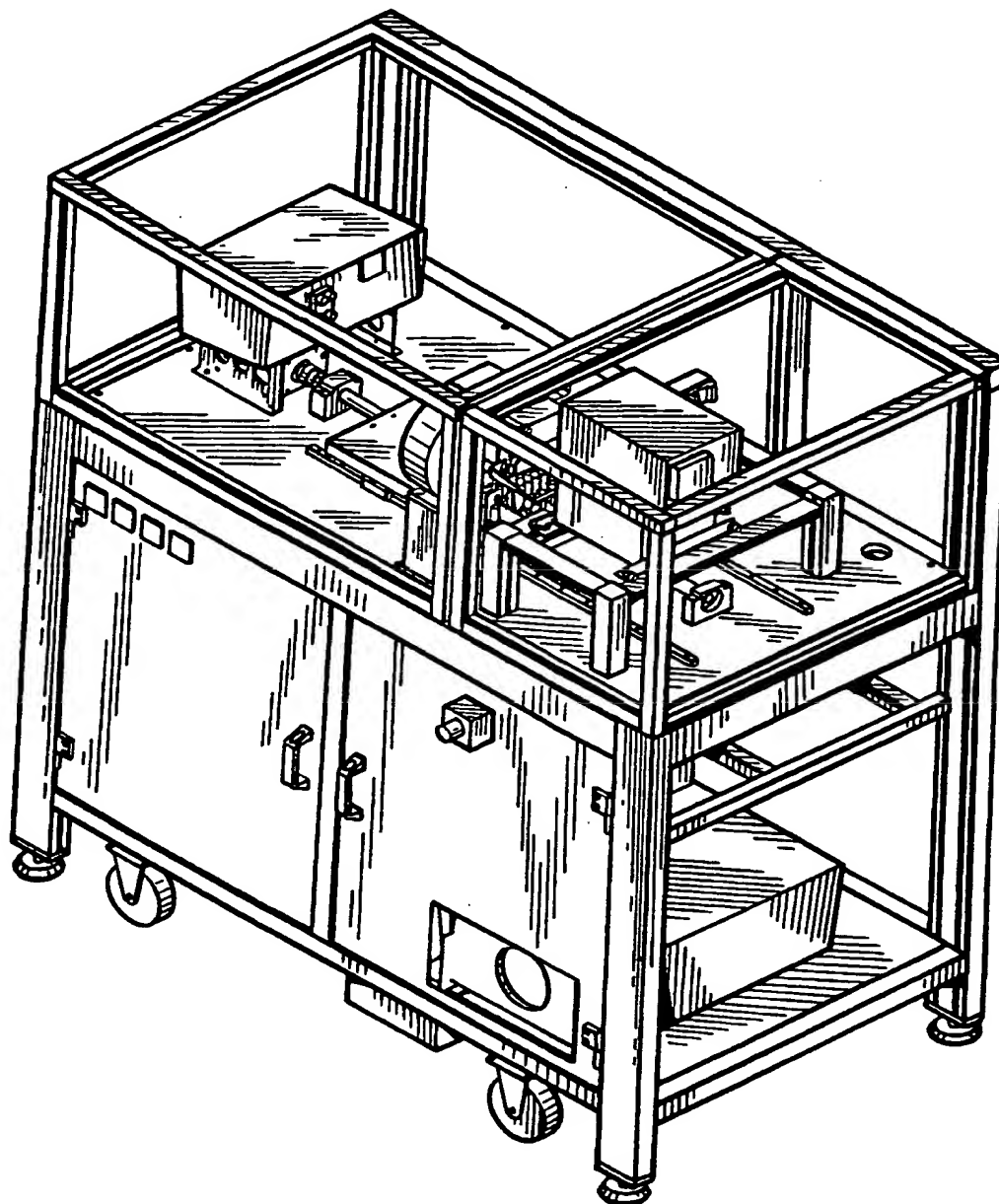
(y multiplied by 1.e+0.5)



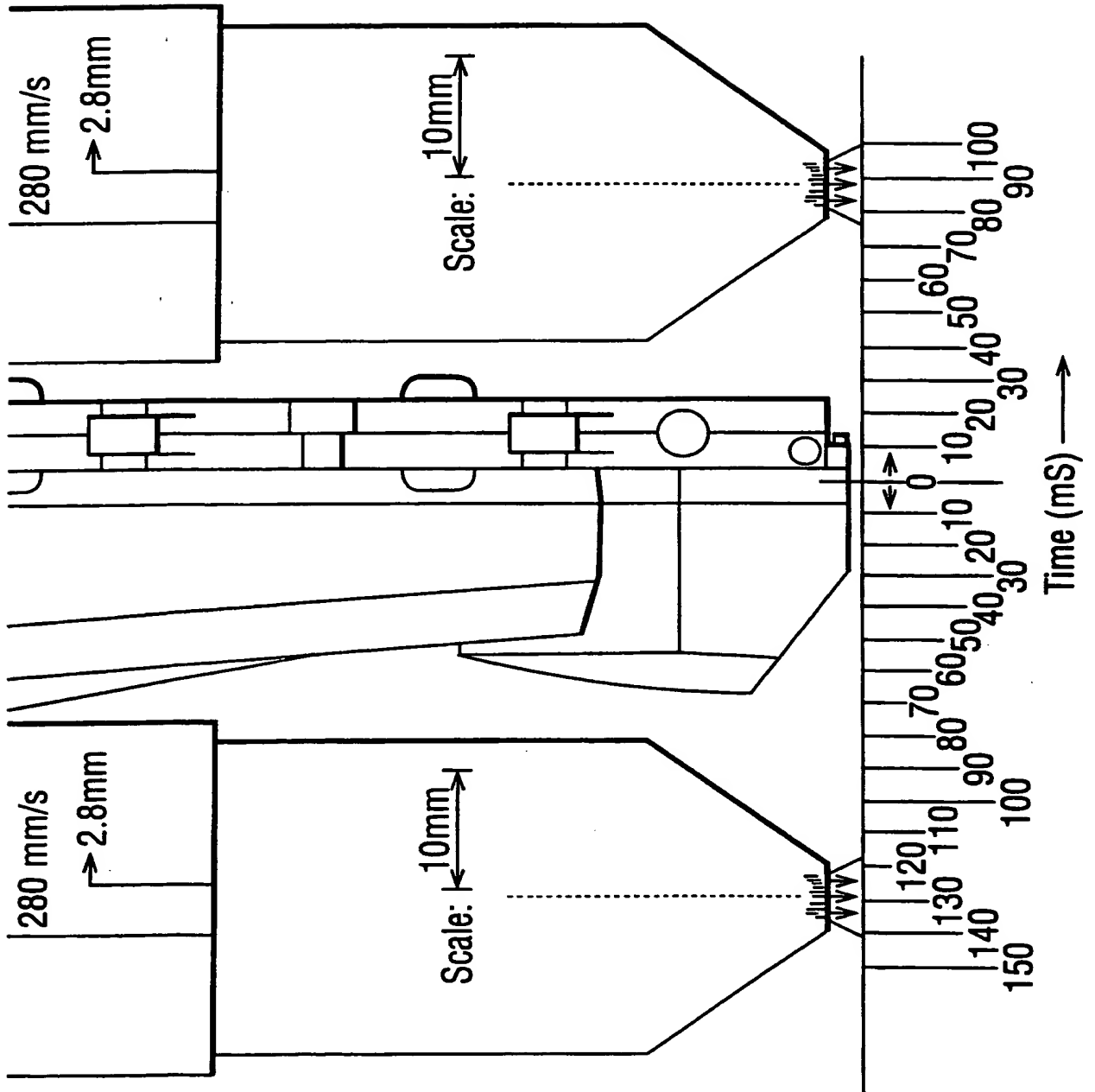
```
Flow-3D  t=6.809E-04  z=1.000E-06  (ix=2 to 136  jy=2 to 31)
20:04:05  2-17-1999eifd  hydr3D:  version 7.1.5  win 32 1998
51.1 dia : 675 to 975 microseconds - 3D droplets
```

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FIG. 4

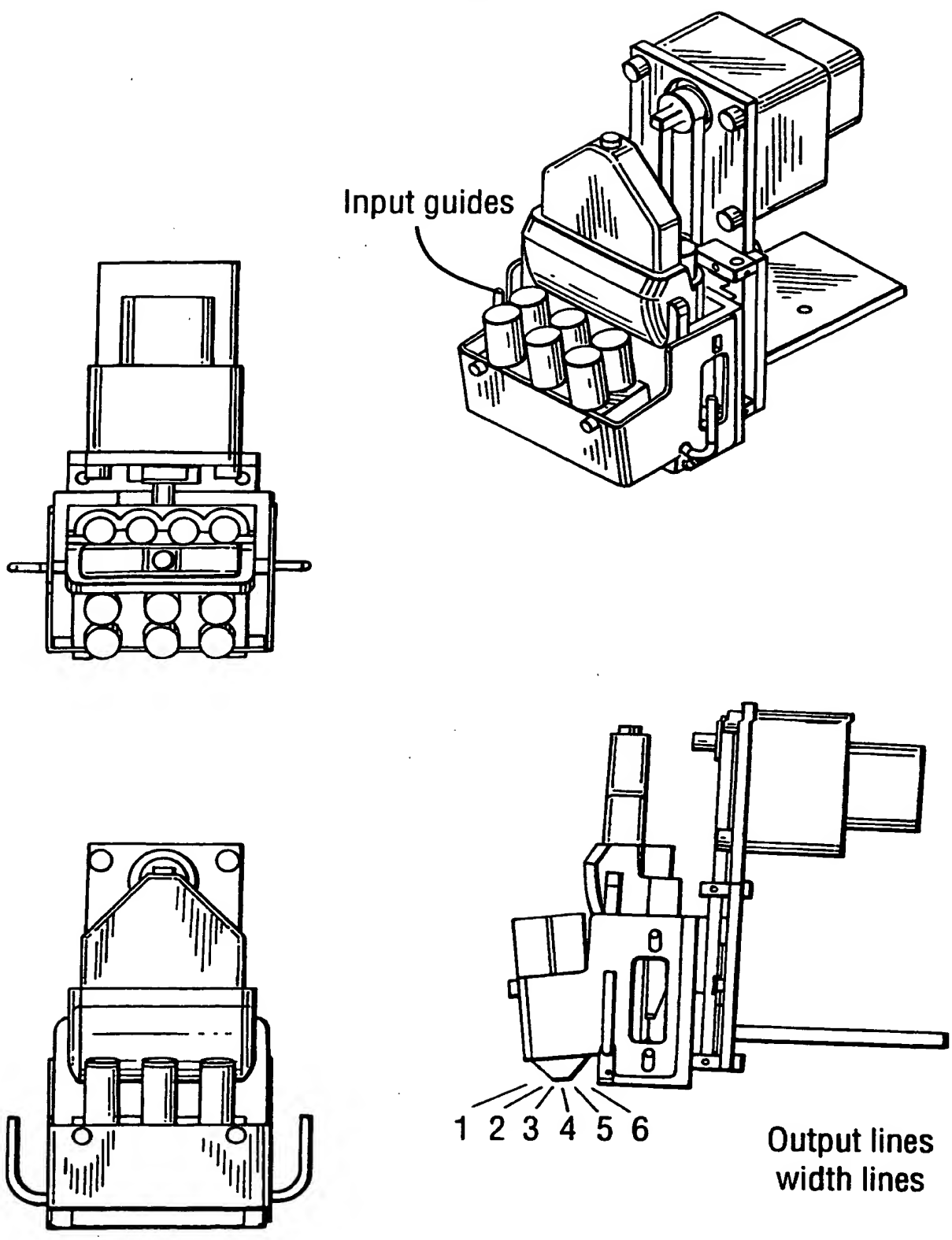


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FIG. 5b



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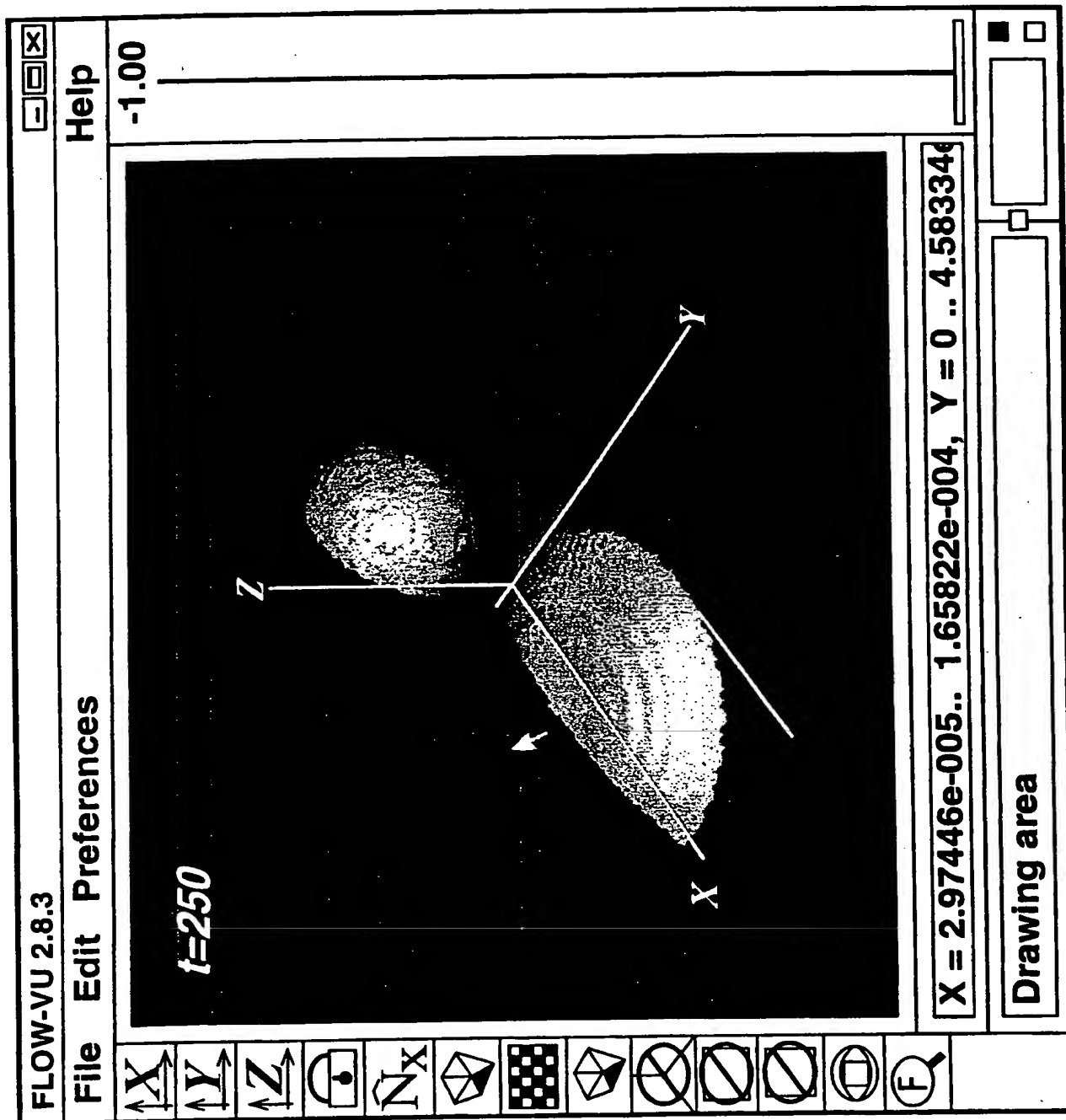


FIG. 6

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FIG. 7

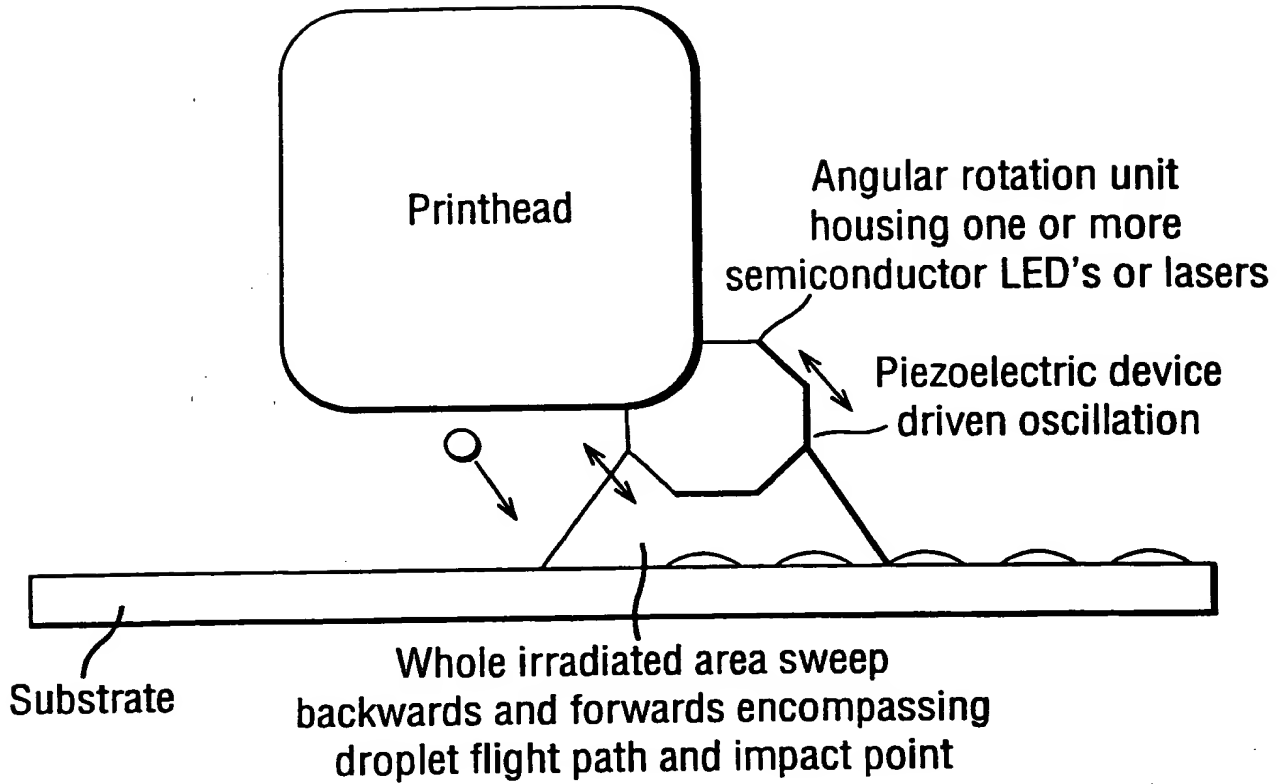


FIG. 8

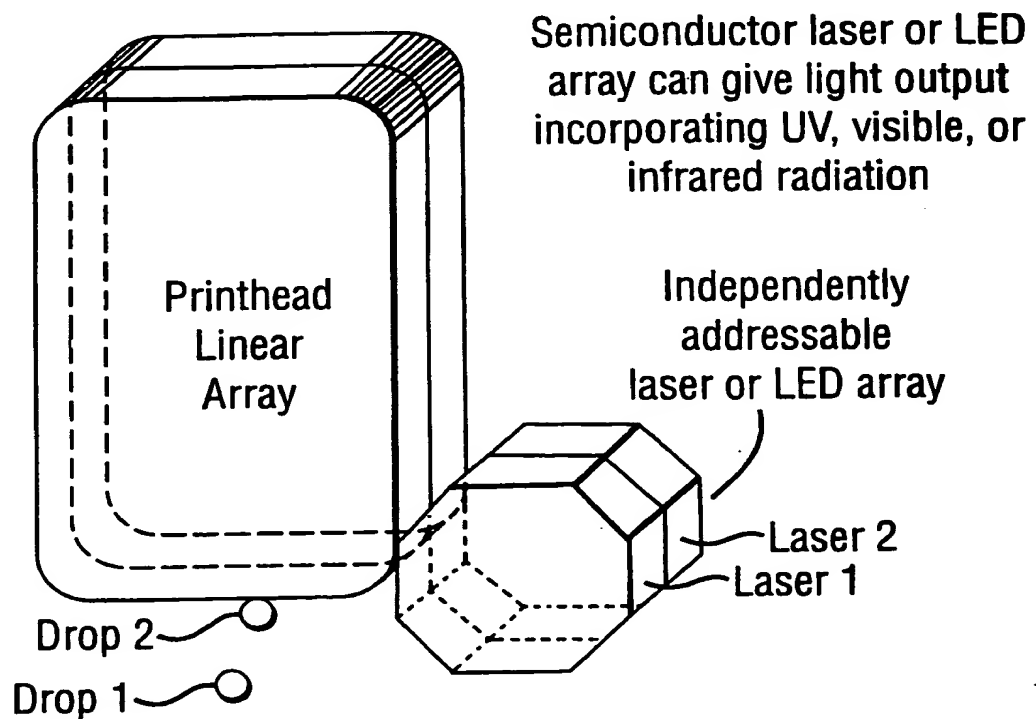


FIG. 9

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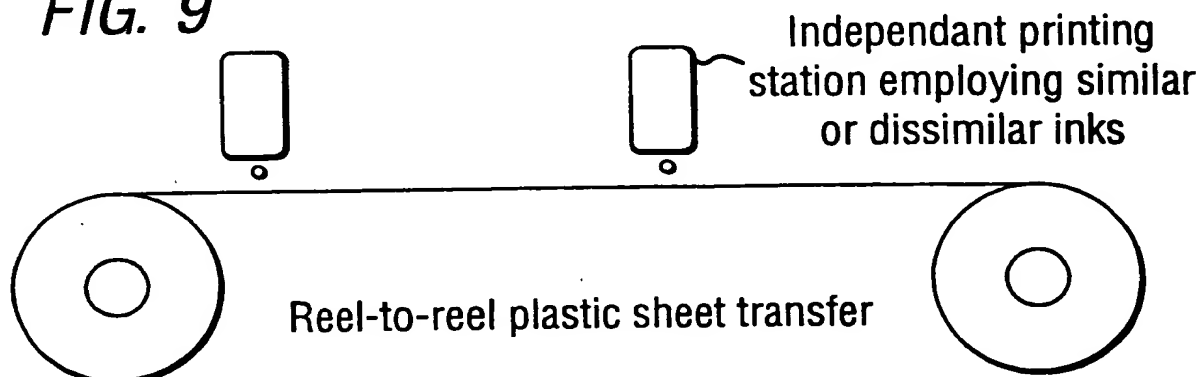


FIG. 10

Organic or inorganic thin film light-emitting device

Printhead

LEP light source can be constructed in discrete stripes, thereby providing control over irradiated area
The organic LEP curing system can be used for whole area

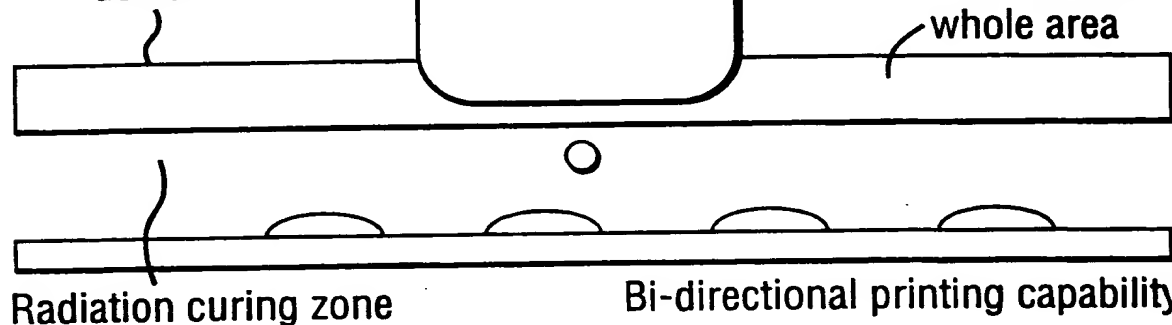


FIG. 11

Printhead

CCD or silicon x-y linear imaging array can be used as an alternative
Organic LEP photoconductive imaging linear array

LED array

Linear Imager

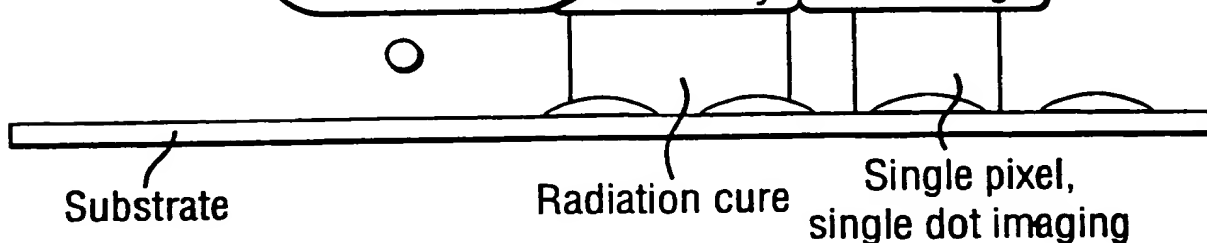


FIG. 12

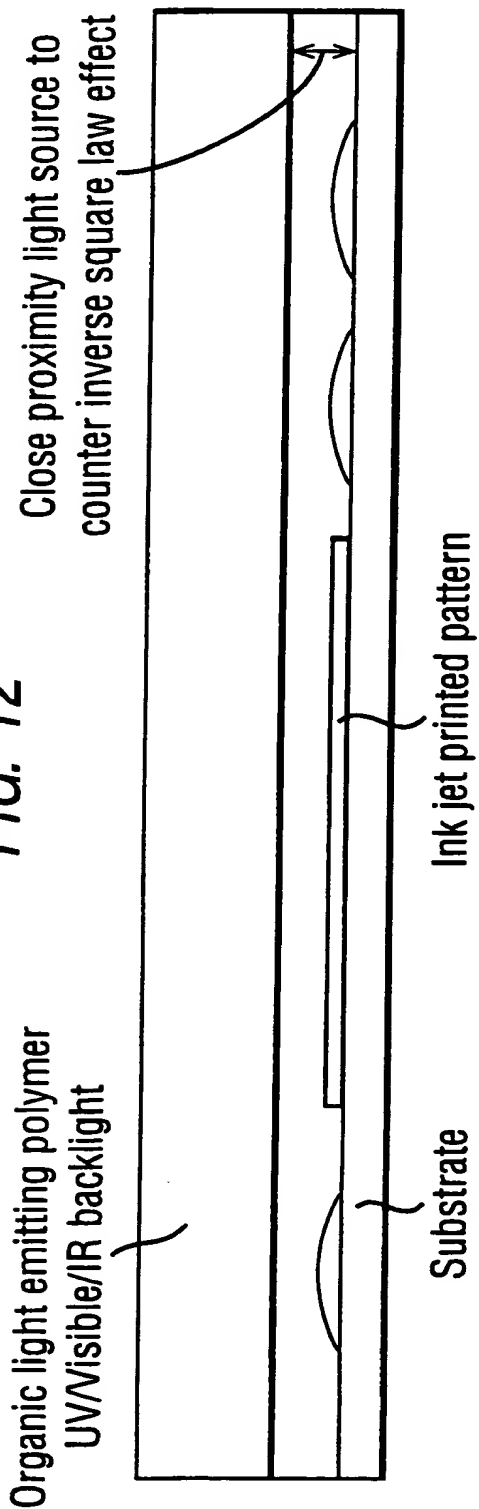
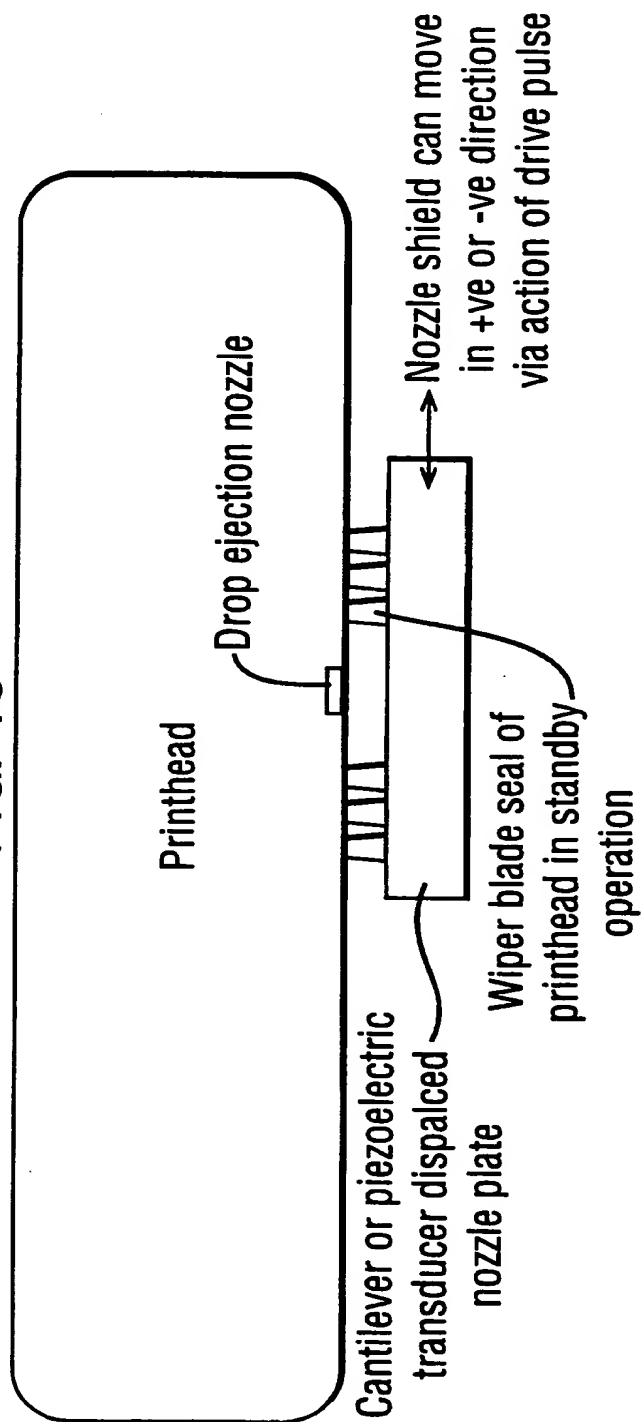


FIG. 13



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FIG. 14

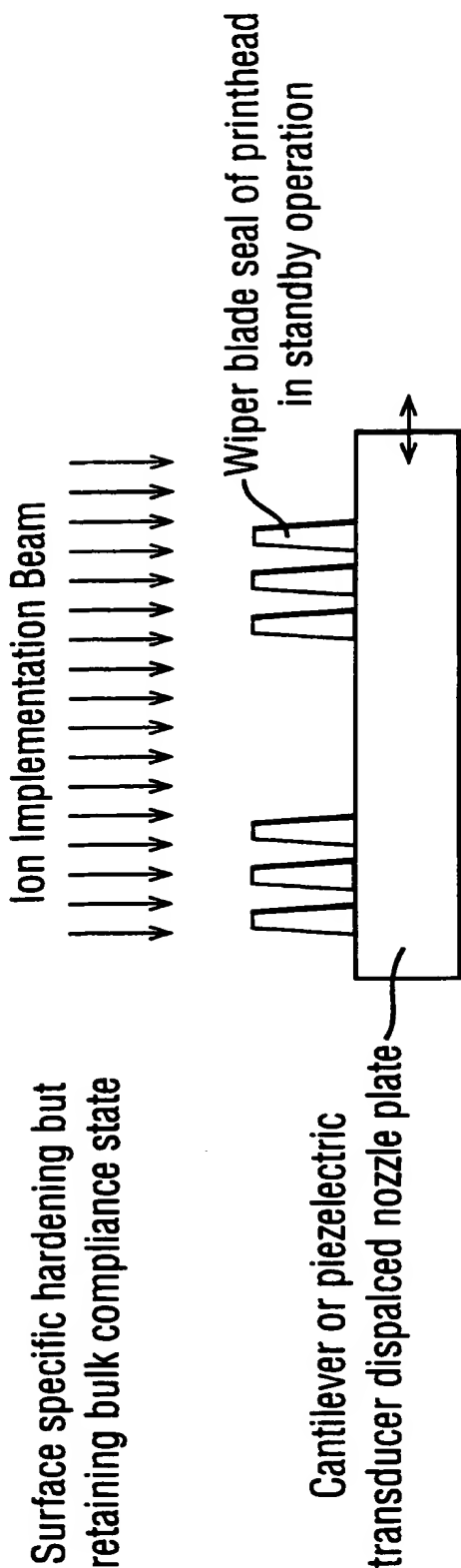
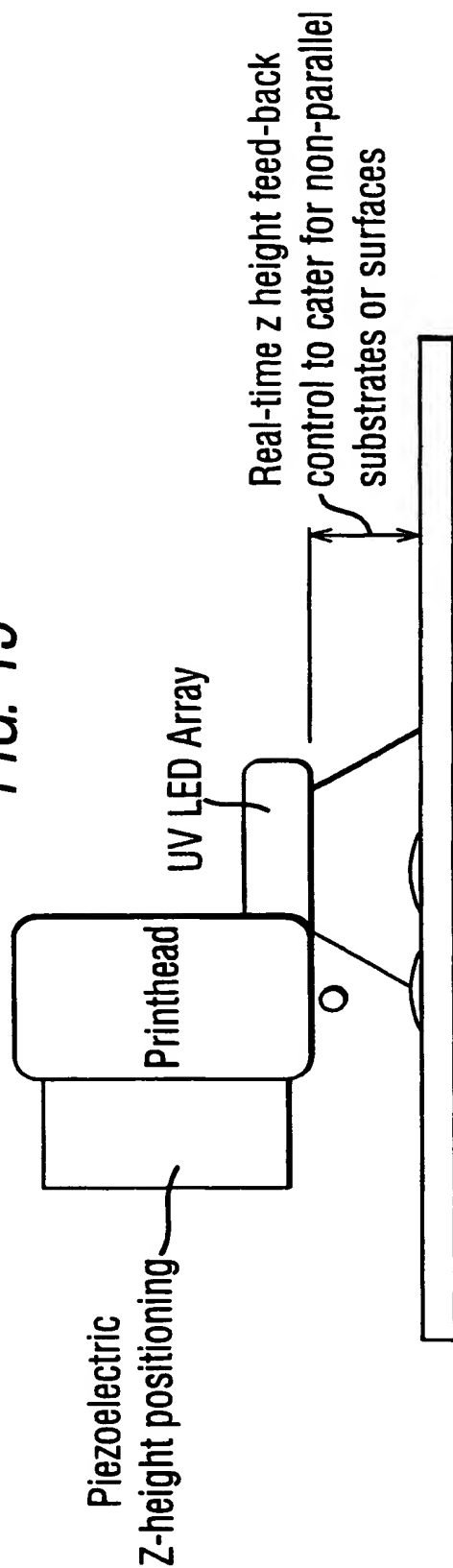


FIG. 15



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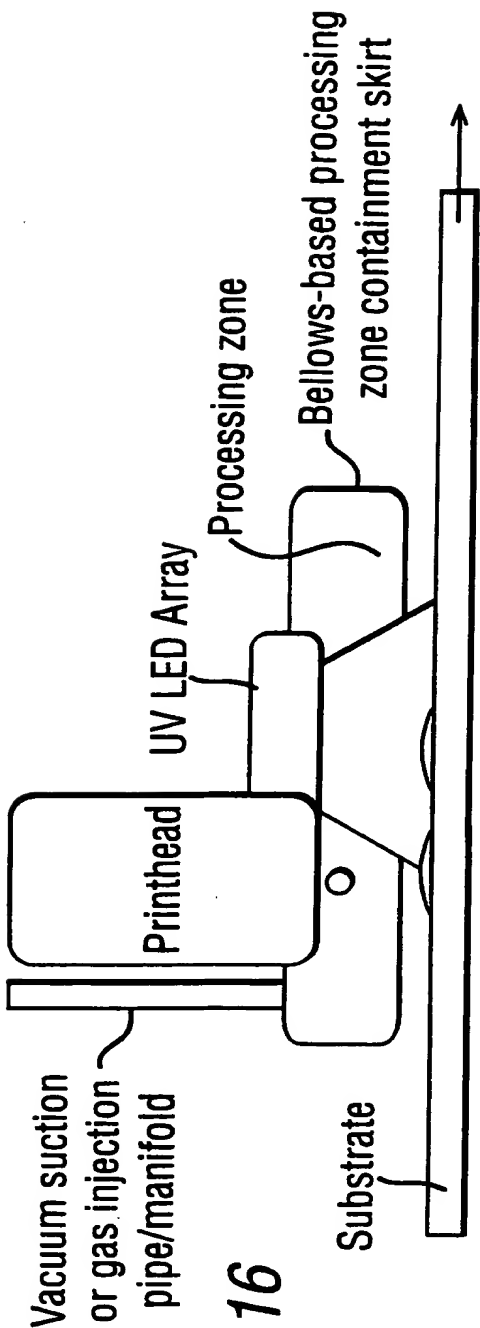


FIG. 16

Source UV LED could also include an infrared rapid thermal heating

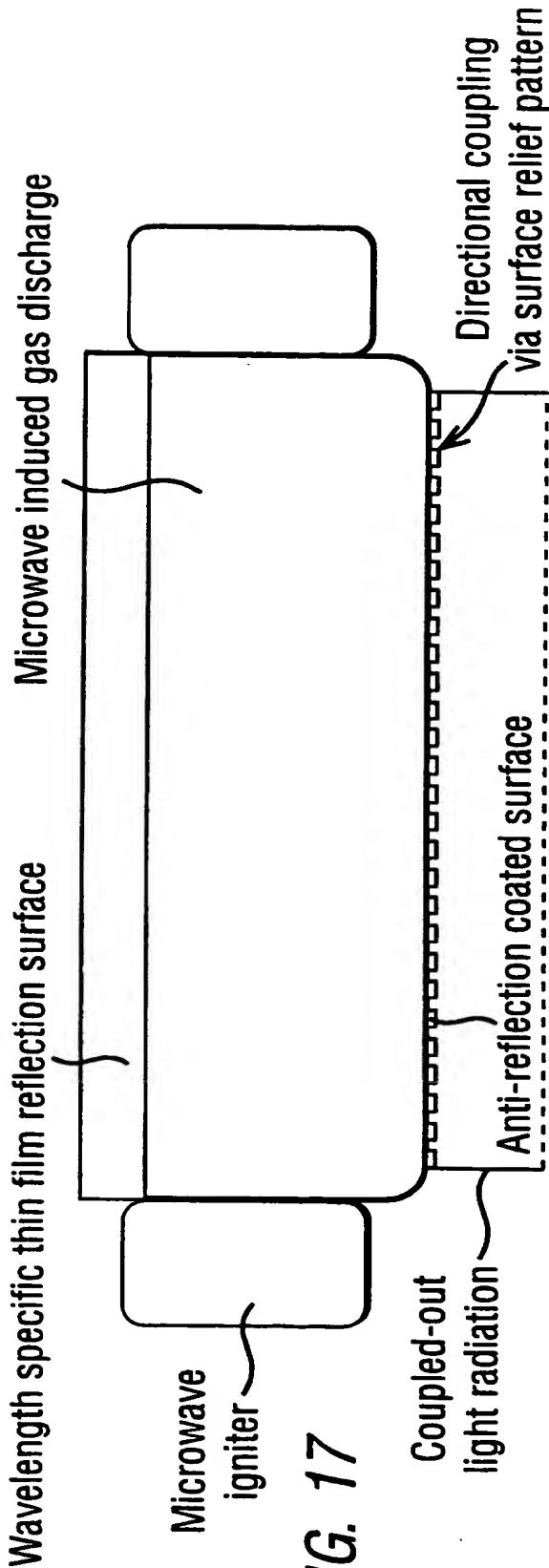


FIG. 17

Coupled-out light radiation

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FIG. 18

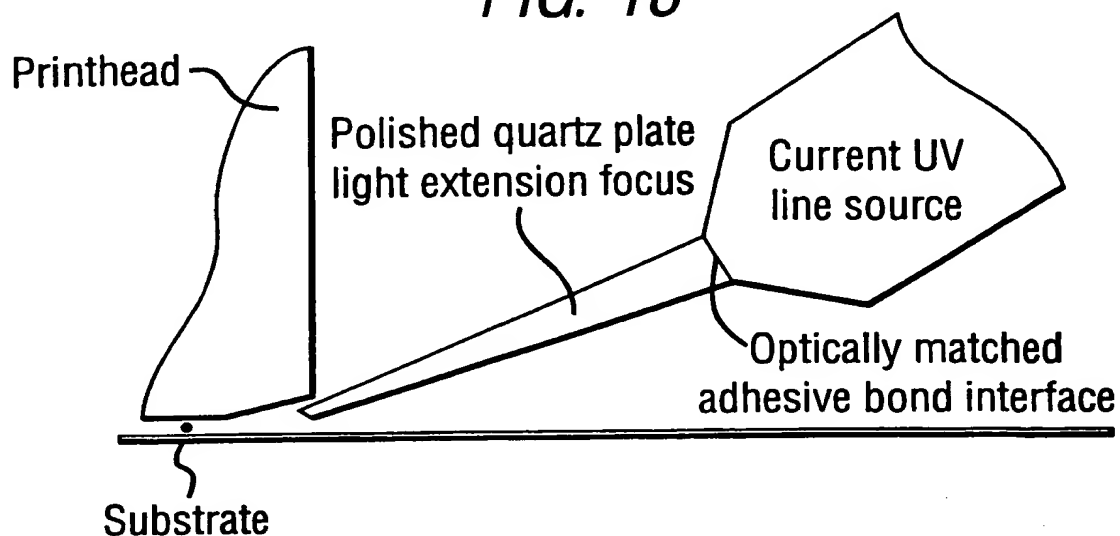


FIG. 19

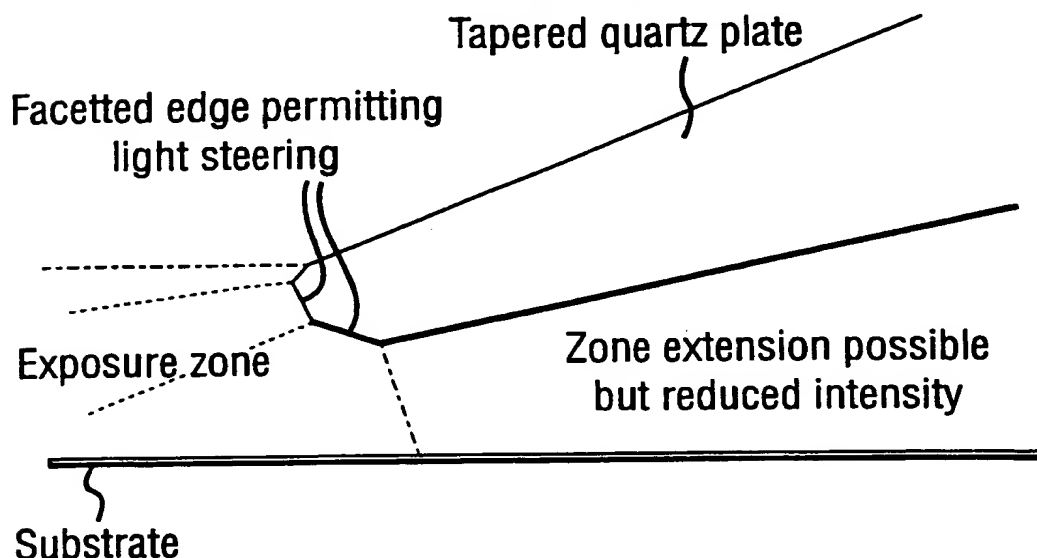
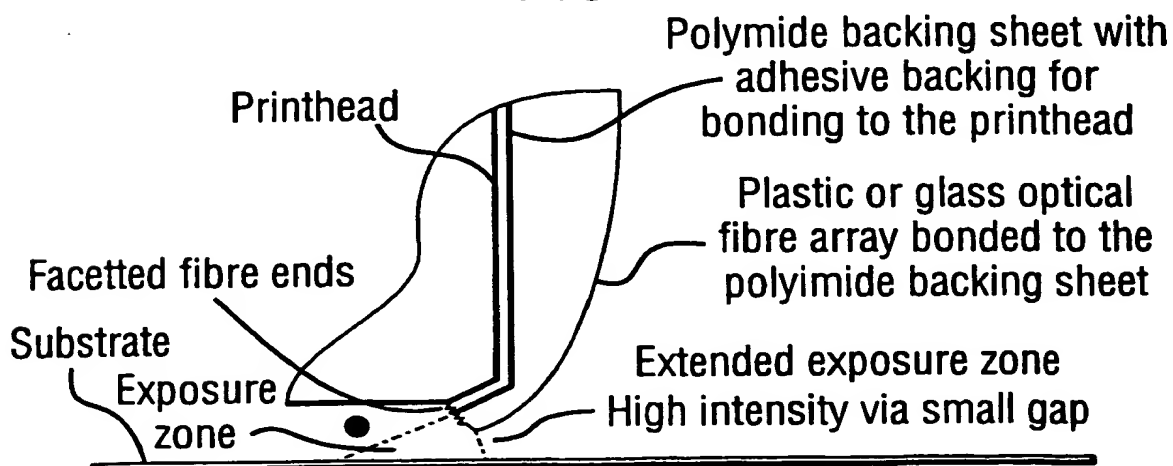


FIG. 20



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FIG. 21

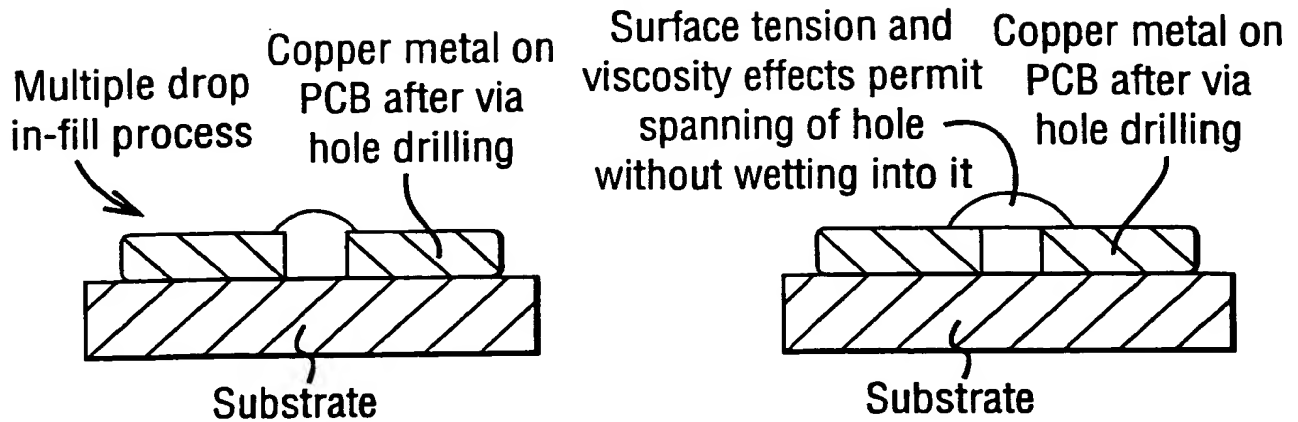


FIG. 22

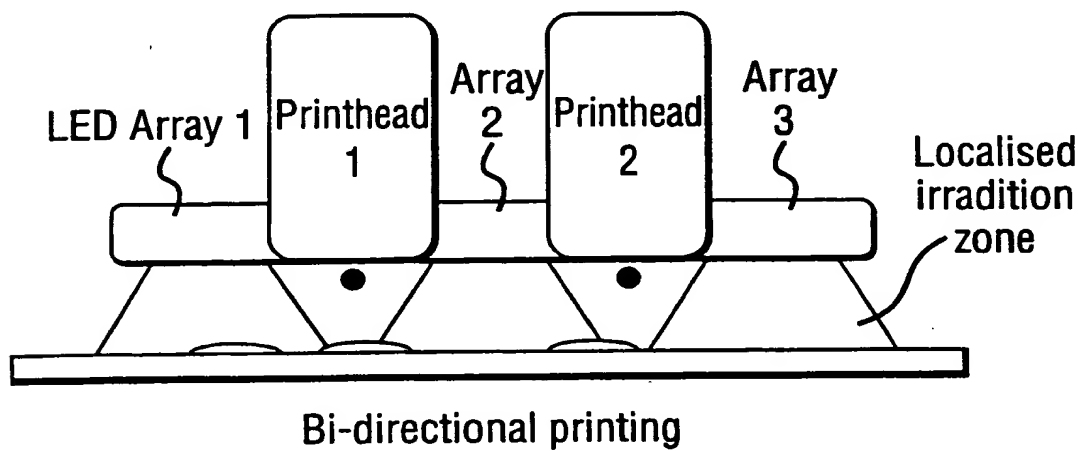
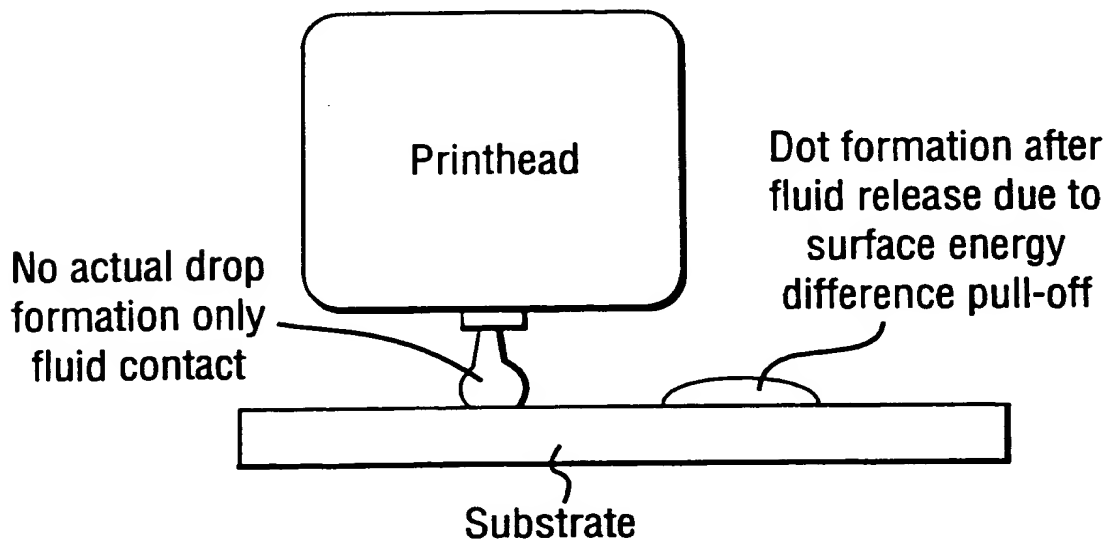


FIG. 23



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FIG. 24

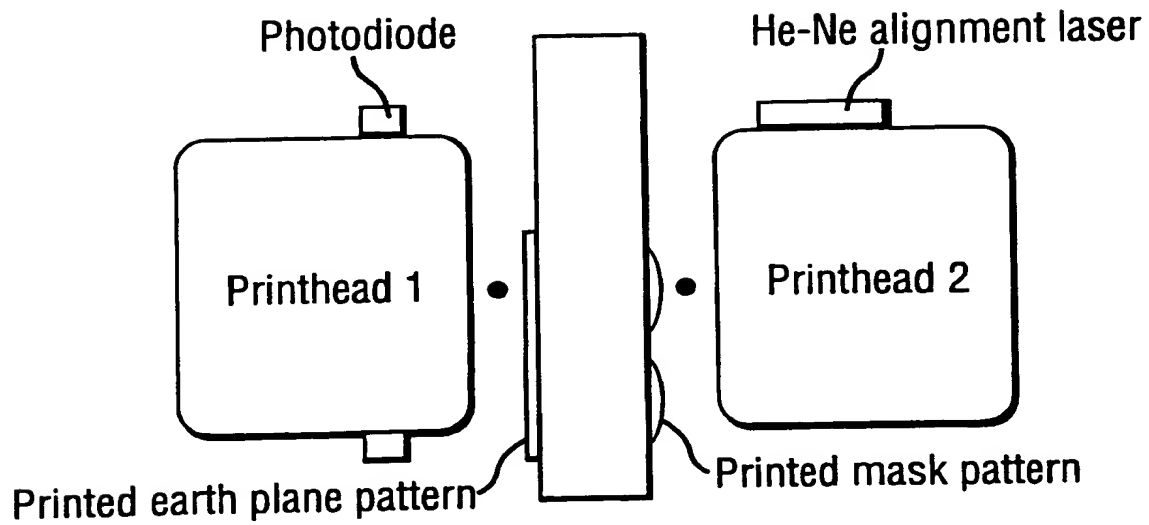
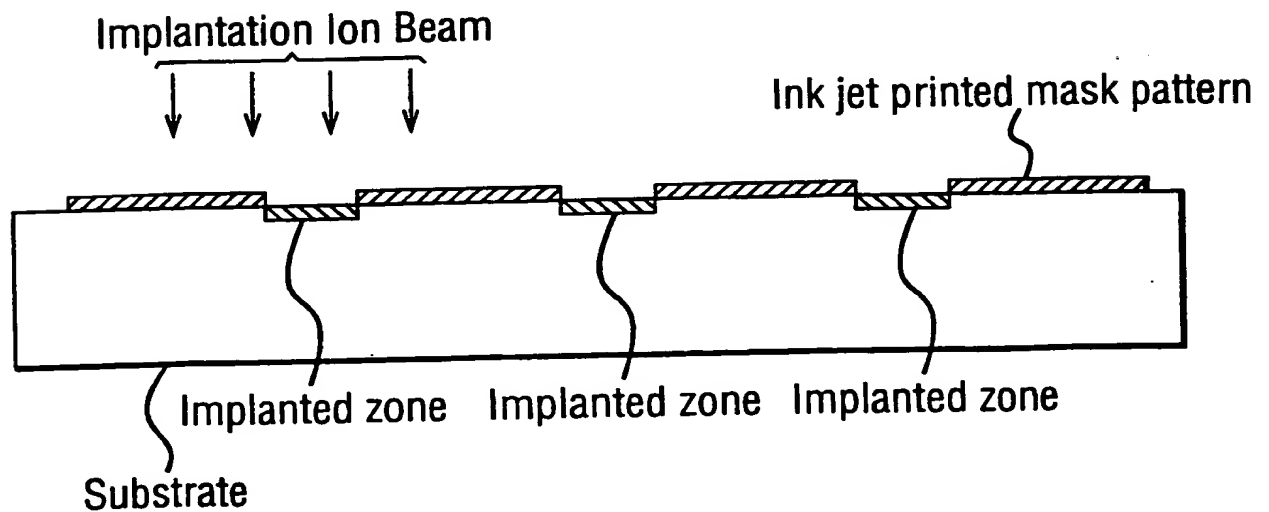


FIG. 25



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FIG. 26

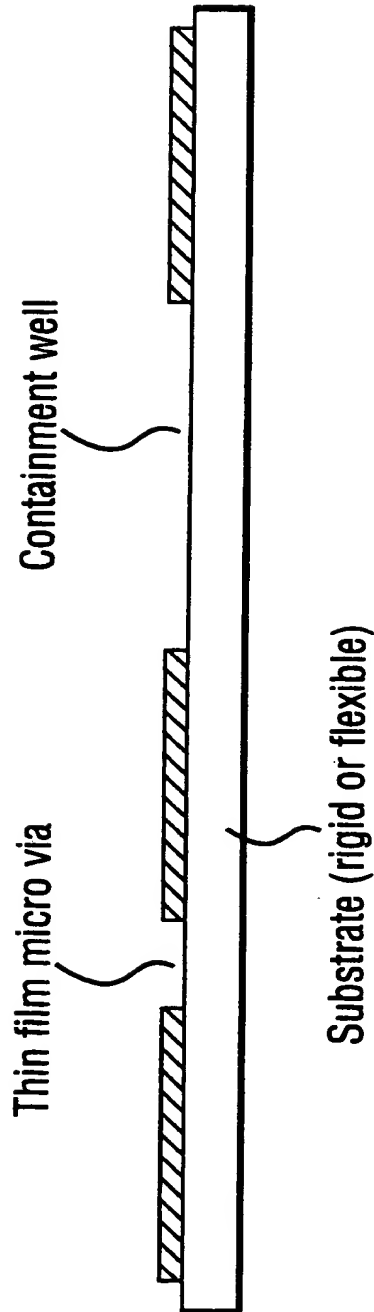


FIG. 27

Auto-alignment of two pieces
via spacer surface tension

